

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **09-048533** (71)Applicant : **CANON INC**

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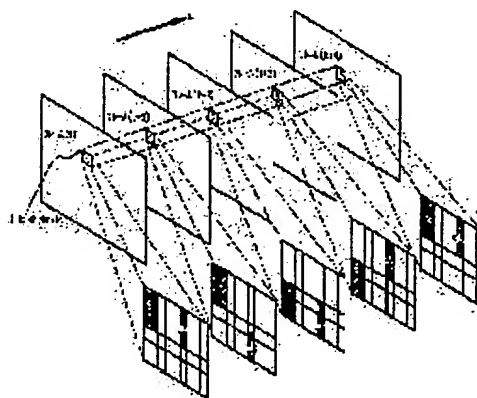
(54) PICTURE DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To suppress the generation of disturbing pattern in a flat picture part and permit a picture expression without damaging smoothness of an original picture by expressing a picture by changing over sub-pixel patterns for a single or plural frames.

SOLUTION: One picture element is composed of plural sub-pixels of different areas from each other displayed in binary level, and three or more number of gradation levels are expressed by sub-pixel pattern composed of a combination of the display states of the plural sub-pixels.

When two or more sub-pixel patterns exist corresponding to a certain gradation level, plural frames and plural sub-pixel patterns corresponding to the gradation levels are used for one gradation level in one picture element. Namely, since a gradation level in which a same gradation level can be expressed by each of plural sub-pixel patterns expresses the sub-pixel patterns by changing them over for a single or plural frames, it is possible to prevent or suppress generation of visibly disturbing pattern.



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